

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,064,842 B1
APPLICATION NO. : 09/480506
DATED : June 20, 2006
INVENTOR(S) : Eiji Yamamoto

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title page of the patent, in item (75) Inventors, delete "June Hane, Hachioji (JP); Iwao Komazaki, Urawa (JP)"

Column 36, lines 22 to 30, delete the entire paragraphs:

"(Corresponding Embodiment of Invention and its Operation and Effect)

The embodiments and the operations and effects of the inventions of claims 4 and 5 described latter correspond to the first embodiment and the operation and effect of this embodiment.

(Corresponding Embodiment of Invention)

The invention of claim 6 described latter corresponds to the first embodiment of this invention."

Column 37, line 21, delete "(Corresponding Embodiment of Invention"; line 22, delete "(Operation and Effect)"; line 34, delete "(Corresponding Embodiment of Invention".

Column 38, line 10, delete "(Operation and Effect)".

Column 39, lines 11 and 12, "it should be noted that light source" should read --it should be noted that return light noise is generated by the light that returns to the light source--; lines 15 and 16, "between the scale and light interference pattern" should read --between the scale and light source is changed, a change in the pitch of the diffraction interference pattern--; between lines 50 and 51, insert the entire paragraph:

-- The second light beam that has been split by the beam-splitting optical element is irradiated on the second scale pattern, which may have a uniform reflectance, transmissivity or diffraction efficiency.--.

Column 40, between lines 37 and 38, insert the entire paragraph:

-- The second light beam that has been split by the beam-splitting optical element and irradiated on the second scale pattern having a uniform reflectance, transmissivity or diffraction efficiency, may then be irradiated on a third beam-splitting optical element where its principal axis is deflected again so that the light beam is led to the second photosensor.--.

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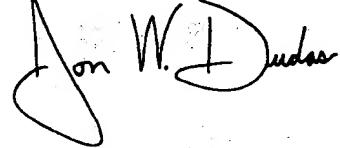
Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 40, line 50, delete "(Corresponding Embodiment of Invention)".

This certificate supersedes Certificate of Correction issued May 22, 2007.

Signed and Sealed this
Fourth Day of September, 2007



JON W. DUDAS
Director of the United States Patent and Trademark Office